



Figure 6

Thr Gly Arg Phe Phe Arg Thr Gly Pro Leu Gly
Glu Ala Gly Phe Leu Gly Leu Gly Pro Trp Gly
ACAGGCAGGTTTTTTAGGACTGGCCCTTGG

Lys Glu Ala Pro Glu Leu Pro Arg Gly Pro Ser Ser Ala Gly Ala Asp Thr Asn Ser Thr
Lys Lys Pro Arg Asn Phe Pro Val Ala Glu Val Pro Glu Gly Leu Thr Pro Thr Ala Pro
GAAAGAAGCCCCGCAACTTCCCCGTGGCCCAAGTTCGCGAGGGGCTGACACCAACAOCAC
1900

Pro Ser Gly Ser Ser Ser Gly Ser Thr Gly Glu Ile Tyr Ala Ala Arg Glu Lys Thr Glu
Pro Val Asp Pro Ala Val Asp Leu Leu Glu Lys Tyr Met Glu Glu Gly Lys Arg Glu Arg
CCCCAGTGGATCCAGCACTGGATCTACTGGAGAAATATATGCAAGCAAGGAAAAAGACAGA

Arg Ala Glu Arg Glu Thr Ile Glu Gly Ser Asp Arg Gly Leu Thr Ala Pro Arg Ala Gly
Glu Glu Arg Glu Arg Pro Tyr Lys Glu Val Thr Glu Asp Leu Leu His Leu Glu Glu Gly
GAGAGCAGAGAGAGAGACCATACAAGGAAGTGACAGAGGACTTACTGACCTCGAOCAGG
2000

Gly Asp Thr Ile Glu Gly Ala Thr Asn Arg Gly Leu Ala Ala Pro Glu Phe Ser Leu Trp
Glu Thr Pro Tyr Arg Glu Pro Thr Glu Asp Leu Leu His Leu Asn Ser Leu Phe Gly
GGGAGACACCATACAGGGAGCCCAACAGAGGAACTTGCTGACCTCAATTCTCTTTG
2100

Lys Arg Pro Val Val Thr Ala Tyr Ile Glu Gly Glu Pro Val Glu Val Leu Leu Asp Thr
Lys Asp Glu
GAAAAGACCAGTAGTCACAOCATACATTGAGGGTCAAGCAGTAGAAOTCTTTTATAGACAC

Gly Ala Asp Asp Ser Ile Val Ala Gly Ile Glu Leu Gly Asn Asn Tyr Ser Pro Lys Ile
AGGGGCTGACCACTCAATAAGTAGCAAGGAATAGAGTTAGGGAAACAATTATAGCCAAAAAT
2200

Val Gly Gly Ile Gly Gly Phe Ile Asn Thr Lys Glu Tyr Lys Asn Val Glu Ile Glu Val
AGTAGGGGGGAATAAGGGGATTGATTAATACCAAGGAATATAAAAATGTAGAAATAGAAAT

Leu Asn Lys Lys Val Arg Ala Thr Ile Met Thr Gly Asp Thr Pro Ile Asn Ile Phe Gly
TCTAAATAAAAAAGGTACGGGCCACCATTAATGACAGGCGACACCCCAATCAACATTTTGG
2300

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Arg Asn Ile Leu Thr Ala Leu Gly Met Ser Leu Asn Leu Pro Val Ala Lys Val Glu Pro
CAGAAATATTCTGACAGCCTTAGGCATGTCATTAAATCTACCAGTCGCCAAAGTAGAGCC
2400

Ile Lys Ile Met Leu Lys Pro Gly Lys Asp Gly Pro Lys Leu Arg Gln Trp Pro Leu Thr
AATAAAAAATAATGCTAAAGCCAGGGAAAGATGGACCAAACTGAGACAATGGCCCTTAAC

Lys Glu Lys Ile Glu Ala Leu Lys Glu Ile Cys Glu Lys Met Glu Lys Glu Gly Gln Leu
AAAAGAAAAATAGAAGCACTAAAAGAAATCTGTGAAAAAATGGAAAAAGAAOGCCAGCT
2500

Glu Glu Ala Pro Pro Thr Asn Pro Tyr Asn Thr Pro Thr Phe Ala Ile Lys Lys Lys Asp
AGAGGAAGCACTCCAACCTAATCCTTATAATACCCCACTTTGCAATCAAGAAAAAGGA

Lys Asn Lys Trp Arg Met Leu Ile Asp Phe Arg Glu Leu Asn Lys Val Thr Gln Asp Phe
CAAAAACAAATGGAGGATCTAATAGATTTGAGAGAACTAAACAAGGTAACCTAAGATTT
2600

Thr Glu Ile Gln Leu Gly Ile Pro His Pro Ala Gly Leu Ala Lys Lys Arg Arg Ile Thr
CACAGAAATTCAGTTAGGAATTCACACCCAGCAGGGTTGCCAAGAAGAGAAGAATTAC
2700

Val Leu Asp Val Gly Asp Ala Tyr Phe Ser Ile Pro Leu His Glu Asp Phe Arg Pro Tyr
TGTAAGATGTAGGGGATGCTTACTTTCCATACCACTACATGAGGACTTTAGACCATA

Thr Ala Phe Thr Leu Pro Ser Val Asn Asn Ala Glu Pro Gly Lys Arg Tyr Ile Tyr Lys
TACTGCATTTACTCTACCATCAAGTGAACAATGCAGAACCAAGGAAAAAGATACATATATAA
2800

Val Leu Pro Gln Gly Trp Lys Gly Ser Pro Ala Ile Phe Gln His Thr Met Arg Gln Val
AGTCTTGCCACAGGGATGGAAGGGATCACCAGCAATTTTCAACACACAATGAGACAGGT

Leu Glu Pro Phe Arg Lys Ala Asn Lys Asp Val Ile Ile Ile Gln Tyr Met Asp Asp Ile
ATTAGAACCATTGAGAAAAGCAAAACAAGGATGTCATTATCATTGAGTACATGGATGATAT
2900

Leu Ile Ala Ser Asp Arg Thr Asp Leu Glu His Asp Arg Val Val Leu Gln Leu Lys Glu
CTTAATAGCTAGTGACAGGACAGATTTAGAACATGATAGGGTAGTCTGACGCTCAAGGA
3000

Leu Leu Asn Gly Leu Gly Phe Ser Thr Pro Asp Glu Lys Phe Gln Lys Asp Pro Pro Tyr
ACTTCTAAATGGCCTAGGATTTTCTACCCAGATGAGAAGTTCCAAAAAGACCCTCCATA

His Trp Met Gly Tyr Glu Leu Trp Pro Thr Lys Trp Lys Leu Gln Lys Ile Gln Leu Pro
CCACTGGATGGGTATGAAGTATGACCACTAAATGGAAGTTGAGAAAAATACAGTTGCC
3100

Gln Lys Glu Ile Trp Thr Val Asn Asp Ile Gln Lys Leu Val Gly Val Leu Asn Trp Ala
CCAAAAAGAAATATGGACAGTCAATGACATCCAGAAGCTAGTGGGTGCTCTAAATTGGGC

Ala Gln Leu Tyr Pro Gly Ile Lys Thr Lys His Leu Cys Arg Leu Ile Arg Gly Lys Met
AGCACAACCTACCCAGGGATAAAGACCAAACTTATGTAGGTTAATCAGAGGAAAAAT
3200

Thr Leu Thr Gln Gln Val Gln Trp Thr Gln Leu Ala Gln Ala Gln Leu Gln Gln Asn Arg
GACACTCAGAGAAAGTACAGTGGACAGAAATTAGCAGAAOCAGAGCTAGAAAGAAAAACAG
3300

Ile Ile Leu Ser Gln Gln Gln Gln Gly His Tyr Tyr Gln Gln Gln Lys Gln Leu Gln Ala
AATTATCCTAAGCCAGGAACAAGAGGGACACTATTACCAAGAAAGAAAAAGAGCTAGAAAGC

Thr Val Gln Lys Asp Gln Gln Asn Gln Trp Thr Tyr Lys Ile His Gln Gln Gln Lys Ile
AACAGTCCAAAAAGGATCAAGAGAATCAGTGGACATATAAAATACACCAAGGAAAGAAAAAT
3400

Leu Lys Val Gly Lys Tyr Ala Lys Val Lys Asn Thr His Thr Asn Gly Ile Arg Leu Leu
TCTAAAAGTAAGAAAAATATGCAAGGTGAAAAACCCCATACCAATGGAATCA ATTGTT

Ala Gln Val Val Gln Lys Ile Gly Lys Glu Ala Leu Val Ile Trp Gly Arg Ile Pro Lys
AGCACAGGTAGTTGAGAAAAATAGGAAAAAGCACTAGTCATTTGGGGACGAATACCAAA
3500



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Phe His Leu Pro Val Glu Arg Glu Ile Trp Glu Gln Trp Trp Asp Asn Tyr Trp Gln Val
ATTTCACCTACCAGTAGAGAGAGAAAATCTGGGAGCAGTGGTGGGATAACTACTGGCAAGT
1600

Thr Trp Ile Pro Asp Trp Asp Phe Val Ser Thr Pro Pro Leu Val Arg Leu Ala Phe Asn
GACATGGATCCCAGACTGGGACTTCGTGTCTACCCCACTGGTCAGGTTAGCGTTTAA

Leu Val Gly Asp Pro Ile Pro Gly Ala Glu Thr Phe Tyr Thr Asp Gly Ser Cys Asn Arg
CCTGGTAGGGGATCCTATACCAGGTGCAGAGACCTTCTACACAGATGGATCCTGCAATAG
1700

Gln Ser Lys Glu Gly Lys Ala Gly Tyr Val Thr Asp Arg Gly Lys Asp Lys Val Lys Lys
GCAATCAAAAAGAGGAAAAGCAGGATATGTAAACAGATAGAGGAAAAGACAAGGTAAAGAA

Leu Glu Gln Thr Thr Asn Gln Gln Ala Glu Leu Glu Ala Phe Ala Met Ala Leu Thr Asp
ACTAGAGCAAACCTACCAATCAOCAAOCAGAACTAGAAGCCTTTGCGATGGCACTAACAGA
1800

Ser Gly Pro Lys Val Asn Ile Ile Val Asp Ser Gln Tyr Val Met Gly Ile Ser Ala Ser
CTCGGGTCCAAAAGTTAATATTATAGTAGACTCACAGTATGTAATGOGGATCAGTGCAAG
1900

Gln Pro Thr Glu Ser Glu Ser Lys Ile Val Asn Gln Ile Ile Glu Glu Met Ile Lys Lys
CCAACCAACAGAGTCAGAAAAGTAAATAGTGAACCAGATCATAGAAGAAATGATAAAAAA

Glu Ala Ile Tyr Val Ala Trp Val Pro Ala His Lys Gly Ile Gly Gly Asn Gln Glu Val
GGAAGCAATCTATGTTGCATGGGTCCAGCCCAAAAGGCATAGGGGAAACCAGGAAGT
4000

Asp His Leu Val Ser Gln Gly Ile Arg Gln Val Leu Phe Leu Glu Lys Ile Glu Pro Ala
AGATCATTTAGTGAAGTCAGGGTATCAGACAAGTGTGTTCTGGAAAAAATAGAGCCCO

Gln Glu Glu His Glu Lys Tyr His Ser Asn Val Lys Glu Leu Ser His Lys Phe Gly Ile
TCAGGAAGAACATGAAAAATATCATAGCAATGTAAAAGAACTGTCTCATAAATTTGGAAT
4100

Pro Asn Leu Val Ala Arg Gln Ile Val Asn Ser Cys Ala Gln Cys Glu Gln Lys Gly Glu
ACCAATTTAGTGGCAAGGCAAATAGTAAACTCATGTGCCCAATGTCAACAGAAAAGGGGA
4200

Ala Ile His Gly Gln Val Asn Ala Glu Leu Gly Thr Trp Gln Met Asp Cys Thr His Leu
AGCTATACATGGGCAAGTAAATGCAGAACTAGGCACTTGGCAAATGGACTGCACACATT

Glu Gly Lys Ile Ile Ile Val Ala Val His Val Ala Ser Gly Phe Ile Glu Ala Glu Val
AGAAGGAAAGATCATTATAGTAGCAGTACATGTTGCAAGTGGATTATAGAAGCAGAAGT
4300

Ile Pro Gln Glu Ser Gly Arg Gln Thr Ala Leu Phe Leu Lys Leu Ala Ser Arg Trp
CATCCACAGGAATCAGGAAGACAAACAGCACTCTTCTATTGAAACTGGCAAGTAGGTG

Pro Ile Thr His Leu His Thr Asp Asn Gly Ala Asn Phe Thr Ser Gln Gln Val Lys Met
GCCAATAACACACTTGCATACAGATAATGGTCCCACTTCACTTCACAGGAGGTGAAGAT
4400

Val Ala Trp Trp Ile Gly Ile Gln Gln Ser Phe Gly Val Pro Tyr Asn Pro Gln Ser Gln
GGTAAGCATGGTGGATAGGTATAGAACAATCCTTTGGAGTACCTTACAATCCACAGAGCCA
4500

Gly Val Val Gln Ala Met Asn His His Leu Lys Asn Gln Ile Ser Arg Ile Arg Gln Gln
AGGAAGTAGTAGAAGCAATGAATCACCATCTAAAAAACCAATAAGTAGAATCAGAGAACA

Ala Asn Thr Ile Glu Thr Ile Val Leu Met Ala Ile His Val Met Asn Phe Lys Arg Arg
GGCAATACAATAGAAACAATAGTACTAATGGCAATTTCATTGCATGAATTTTAAAGAGG
4600

Gly Gly Ile Gly Asp Met Thr Pro Ser Glu Arg Leu Ile Asn Met Ile Thr Thr Gln Gln
GGGGGGAATAGGGGATGACTCCATCAGAAAGATTAATCAATATGATCACCACAGAACA

Glu Ile Gln Phe Leu Gln Ala Lys Asn Ser Lys Leu Lys Asp Phe Arg Val Tyr Phe Arg
AGAGATACAATTCTCCAAGCCAAAAATTCAAAATTAAGATTTCGGGTCTATTTCAG
4700



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Glu Gly Arg Asp Gln Leu Trp Lys Gly Pro Gly Glu Leu Leu Trp Lys Gly Glu Gly Ala
AGAAGGCAGAGATCAGTTGTGGAAAGGACCTGGGGAACCTACTGTGGAAAGGAGAAGGAGC
4800

Val Leu Val Lys Val Gly Thr Asp Ile Lys Ile Ile Pro Arg Arg Lys Ala Lys Ile Ile
AGTCCTAGTCAAGGTAGGAACAGACATAAAAAATAATACCAAGAAGGAAAGCCAAGATCCT

Arg Asp Tyr Gly Gly Arg Gln Glu Met Asp Ser Gly Ser His Leu Glu Gly Ala Arg Glu
Met Glu Glu Asp Lys Arg Trp Ile Val Val Pro Thr Trp Arg Val Pro Gly Arg
CAGAGACTATGGAGGAAGACAAGAGATGGATAGTGGTCCACCTGGAGGGTGCCAGGGA
4800

Asp Gly Glu Met Ala
Met Glu Lys Trp His
GGATGGAGAAATGGCA

